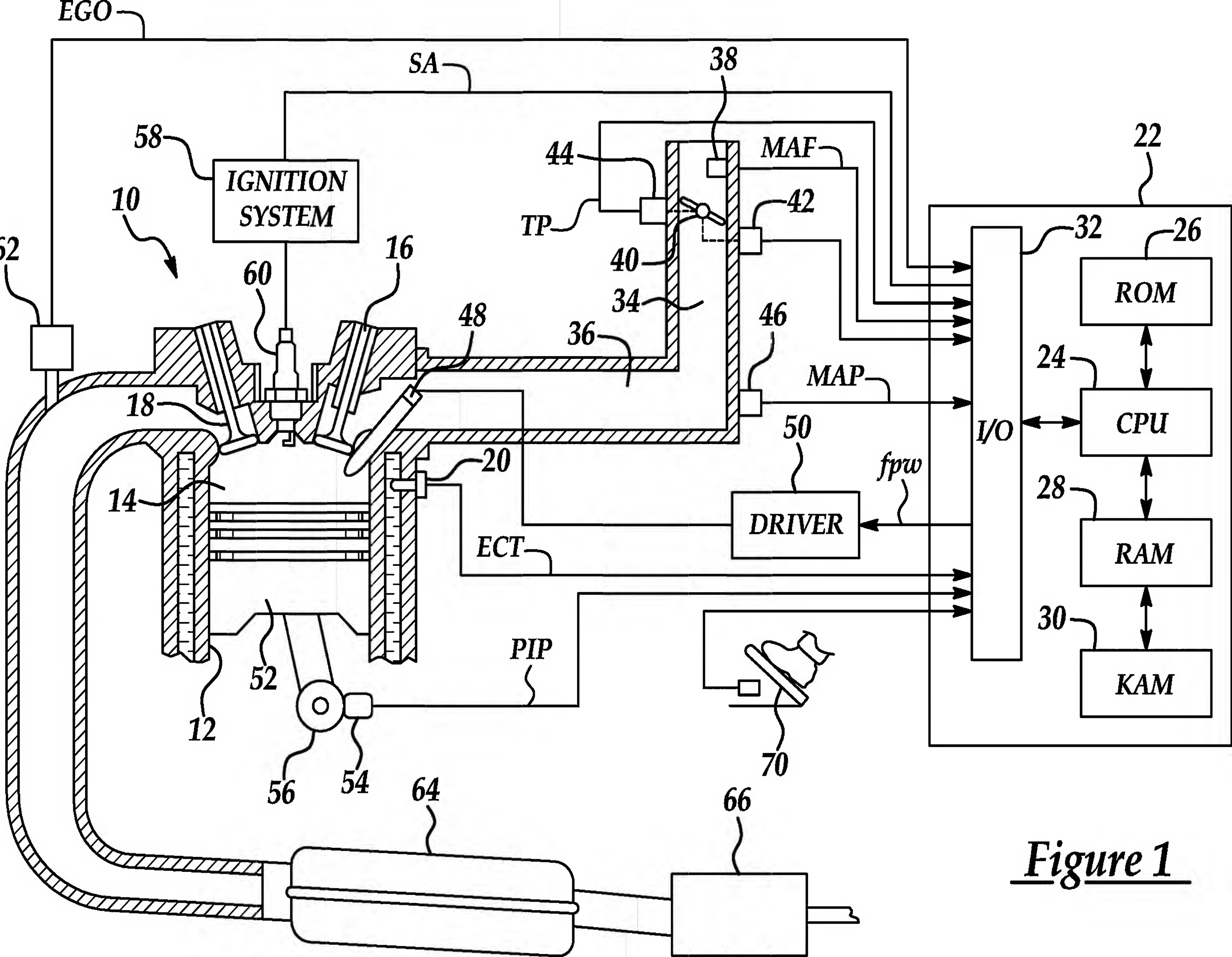
EGO
SA
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58
IGNITION SYSTEM
10
44
MAF
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TP
42
62
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60
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26
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ROM
48
36
46
24
MAP
18
CPU
50
fpw
I/O
20
28
14
DRIVER
RAM
ECT
30
PIP
KAM
52
12
70
56
54
64
66

Figure 1

	Small Difference	Medium Difference	Large Difference
Small Delta rate of change	Zero weight (0.0)	Small weight (0.2)	Medium weight (0.7)
Medium Delta rate of change	Zero weight (0.0)	Medium weight (0.7)	Large weight (1.0)
Large Delta rate of change	Small weight (0.2)	Large weight (1.0)	Large weight (1.0)

Figure 2

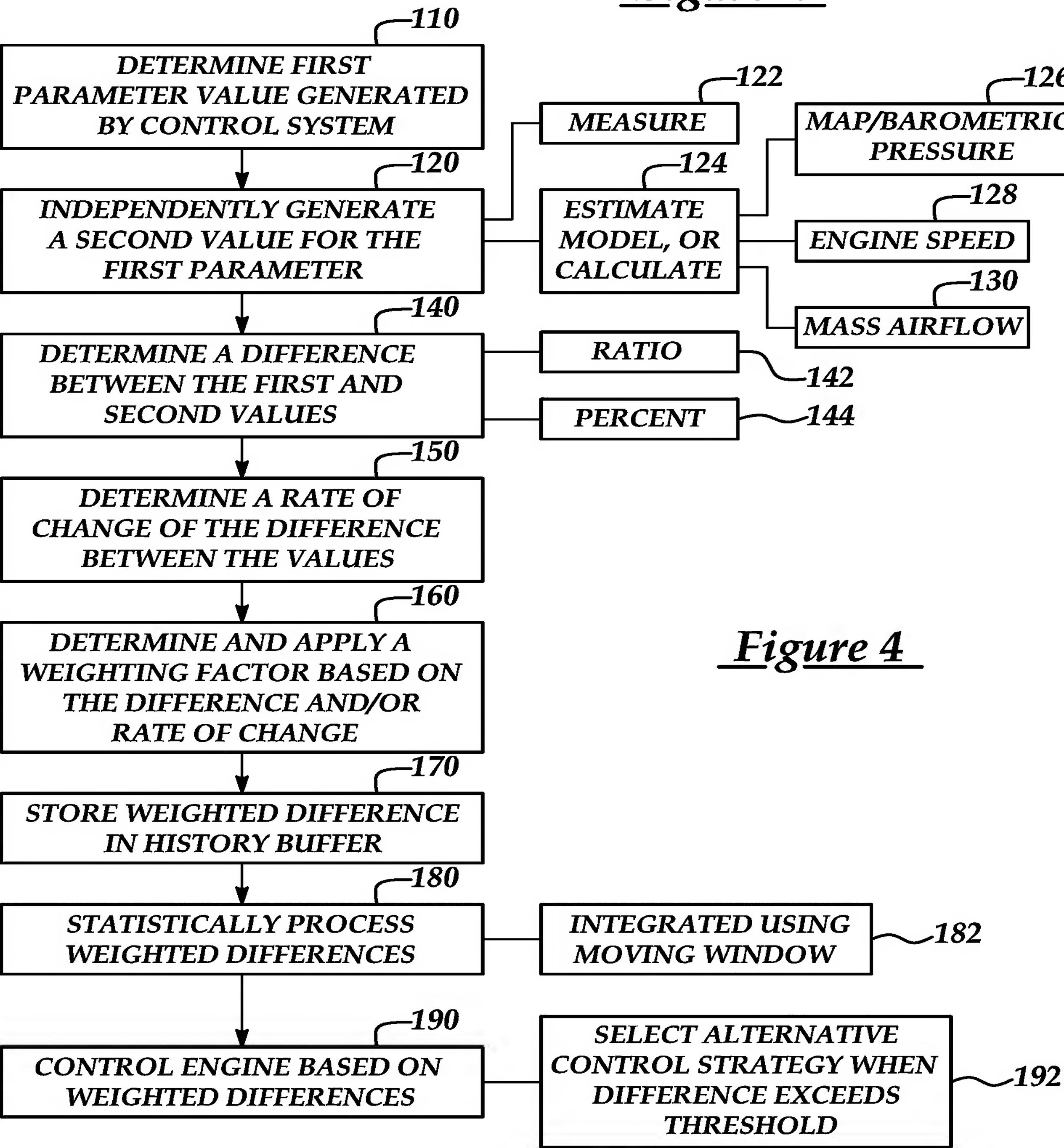

Figure 4

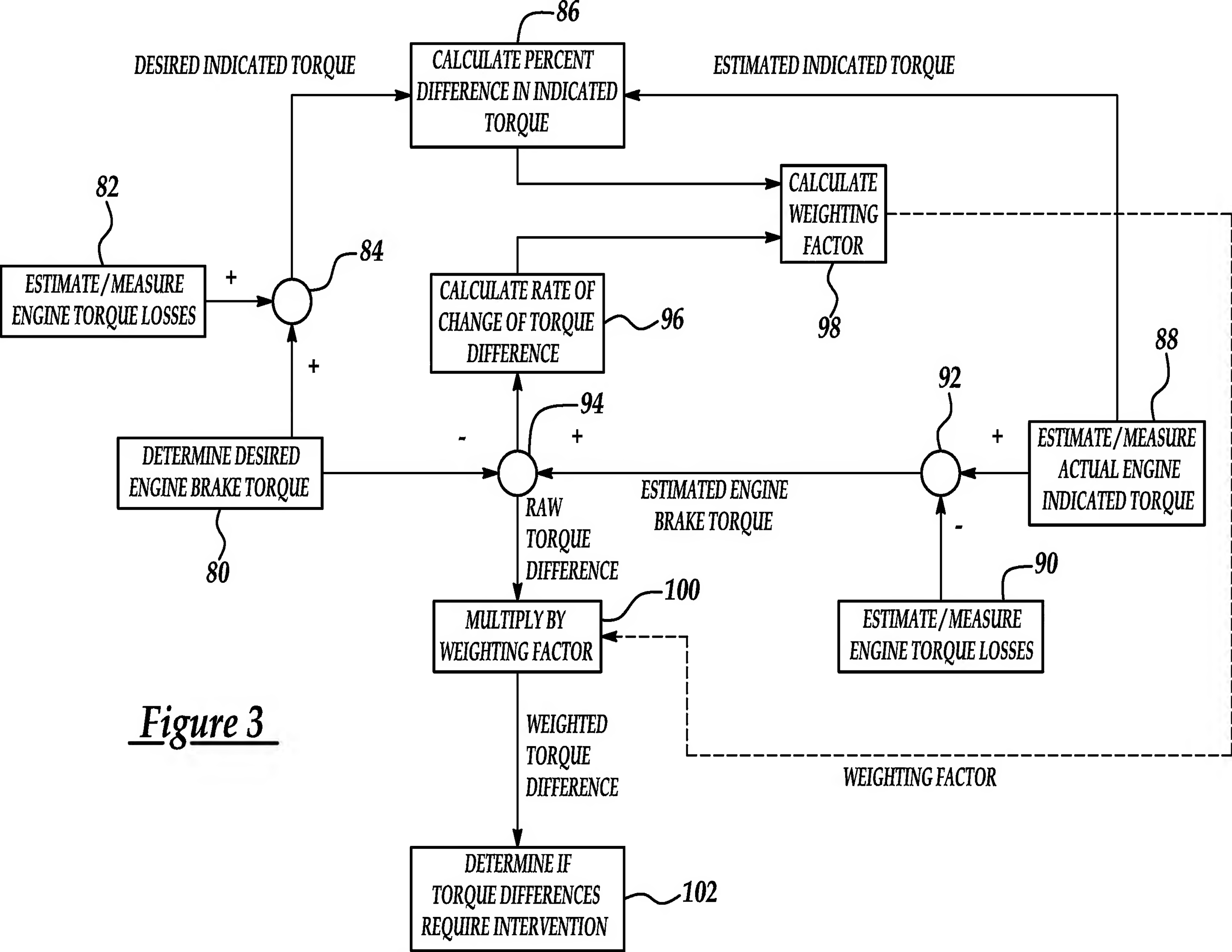
86
DESIRED INDICATED TORQUE
CALCULATE PERCENT DIFFERENCE IN INDICATED TORQUE
ESTIMATED INDICATED TORQUE
82
CALCULATE WEIGHTING FACTOR
84
ESTIMATE/MEASURE ENGINE TORQUE LOSSES
+
CALCULATE RATE OF CHANGE OF TORQUE DIFFERENCE
96
98
88
92
94
+
-
+
+
DETERMINE DESIRED ENGINE BRAKE TORQUE
ESTIMATED ENGINE BRAKE TORQUE
ESTIMATE/MEASURE ACTUAL ENGINE INDICATED TORQUE
RAW TORQUE DIFFERENCE
-
90
80
100
MULTIPLY BY WEIGHTING FACTOR
ESTIMATE/MEASURE ENGINE TORQUE LOSSES
WEIGHTED TORQUE DIFFERENCE
WEIGHTING FACTOR
DETERMINE IF TORQUE DIFFERENCES REQUIRE INTERVENTION
102

Figure 3

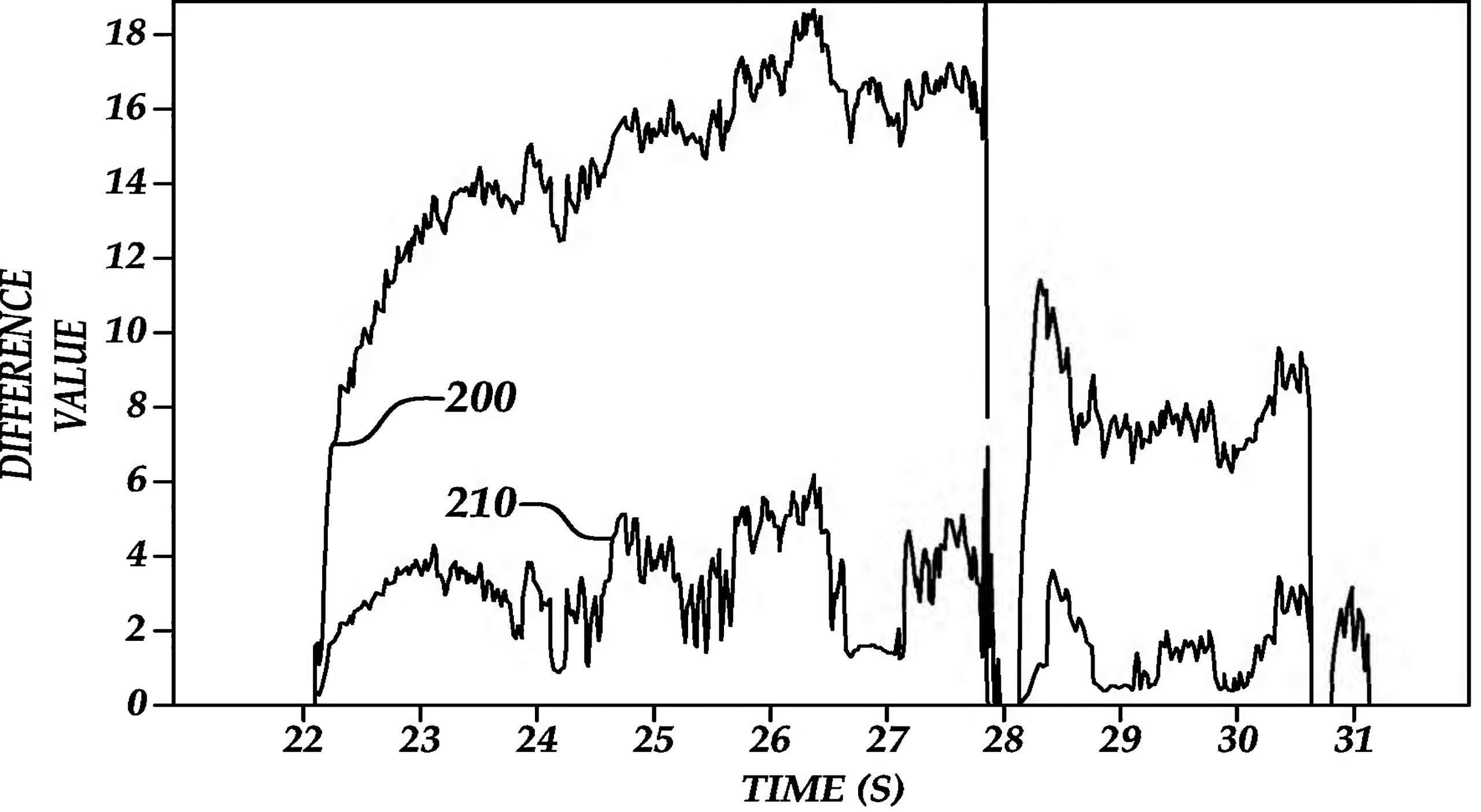

Figure 5A

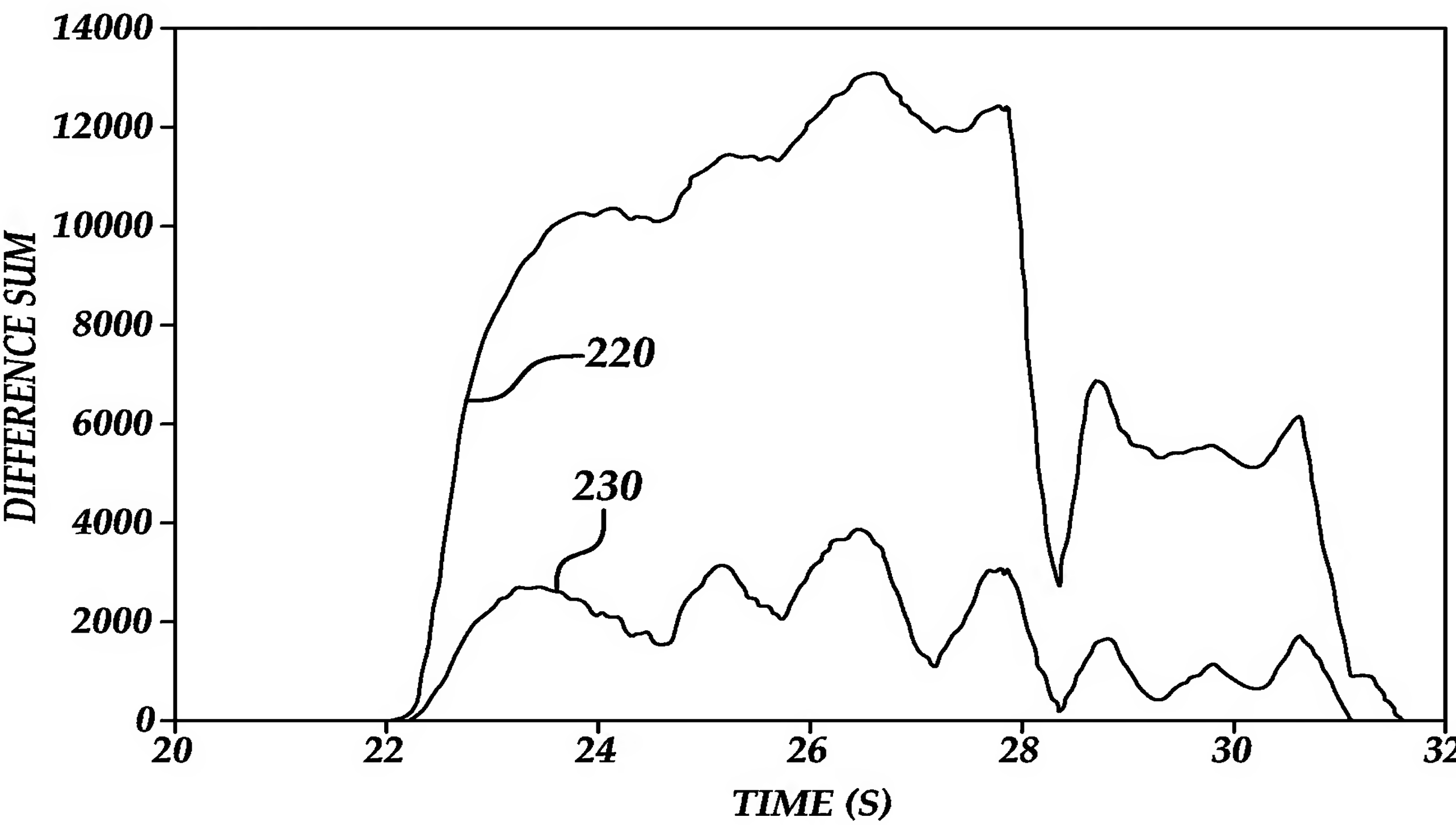

Figure 5B

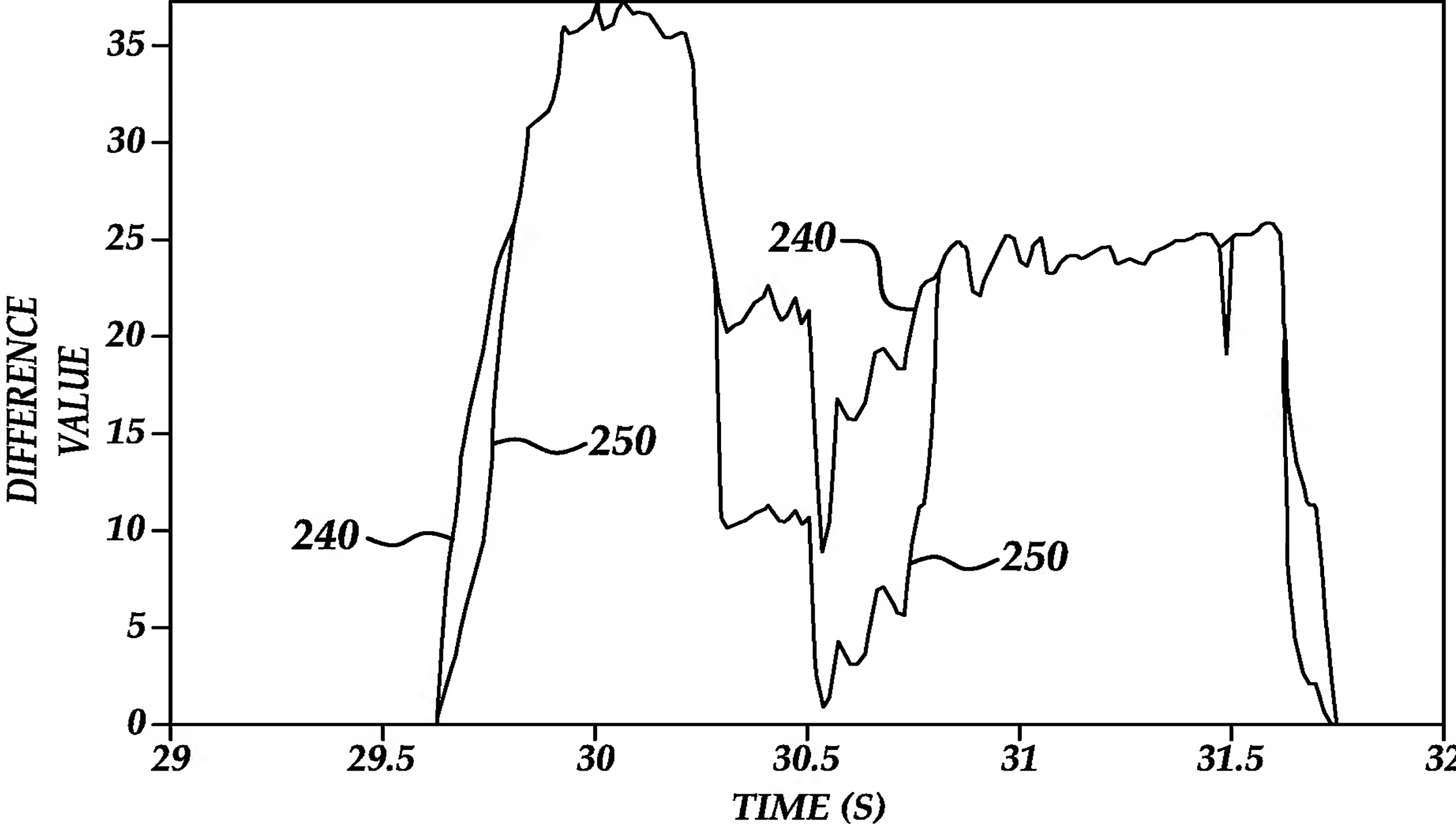

Figure 6A

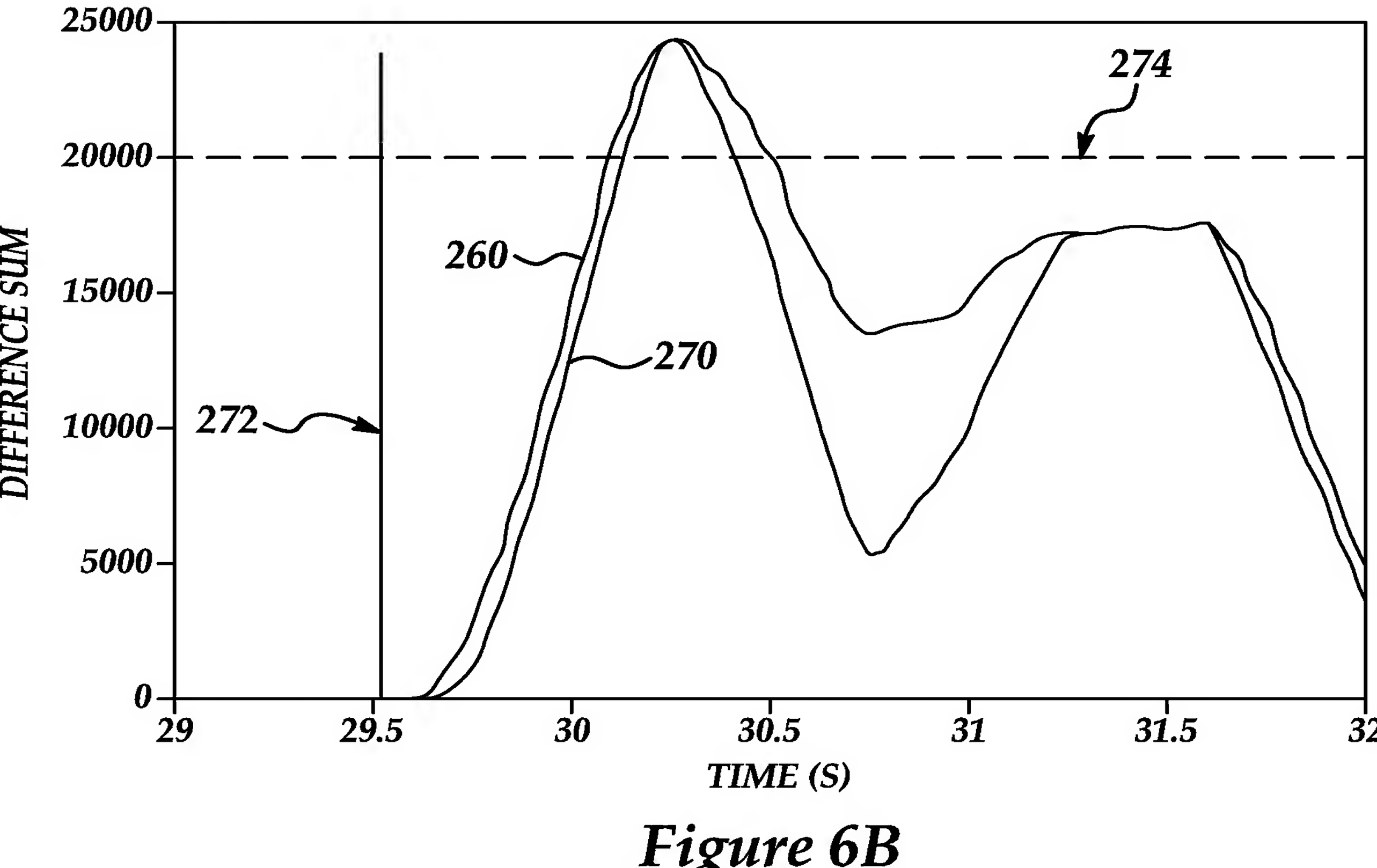

Figure 6B

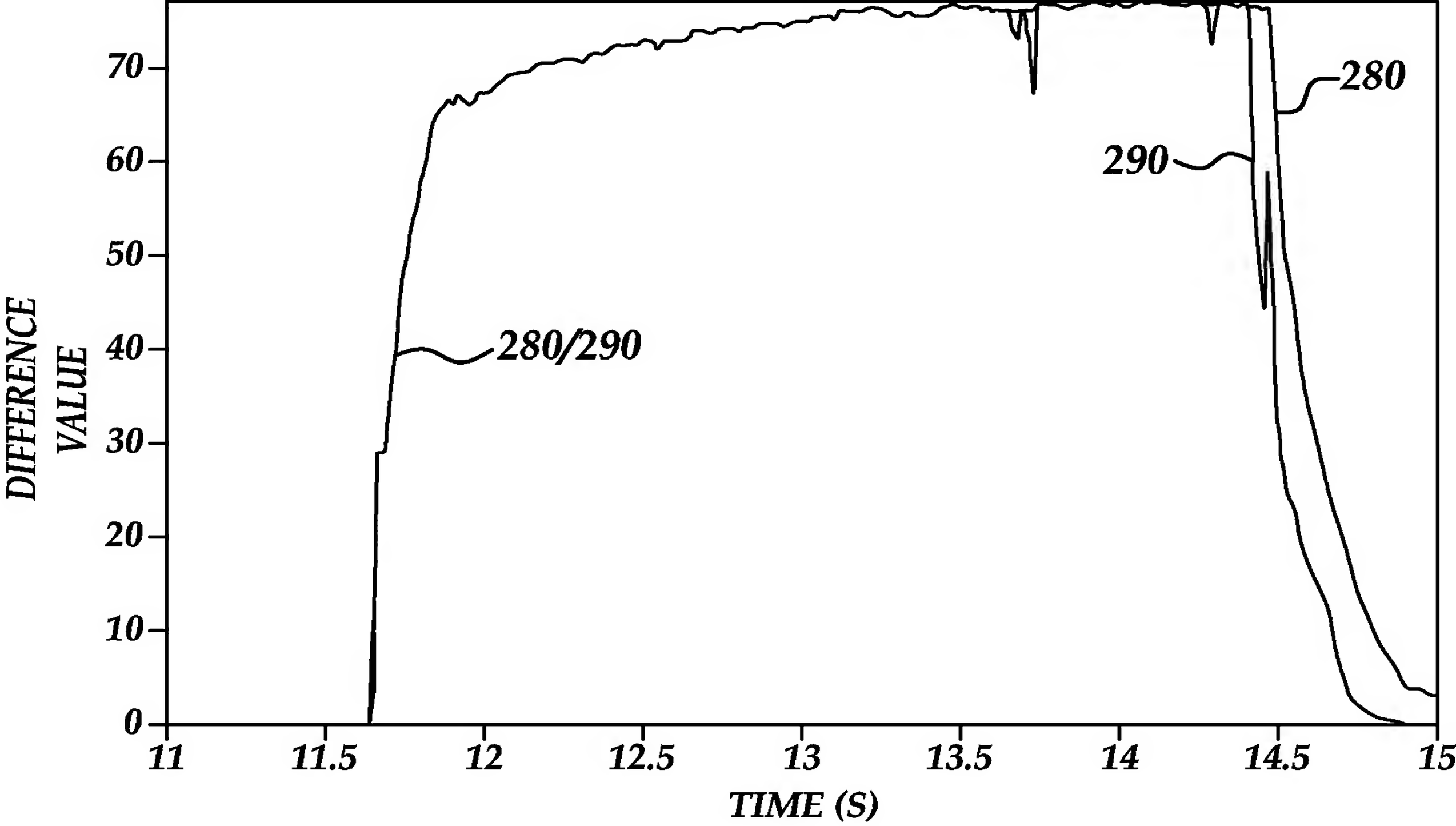

Figure 7A

Figure 7B